

# **BioSense**

## **Web Configuration Manual**

Compatible to version  
1.00.02 April-30/2013 (HW1.1)  
BioSense Web Ver1.0 Build Date 04/12/2013

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# — WEB Configuration —

## ◆ Log In to WEB browser

BioSense featured an in-built HTTP server to serve BioSense to be browsing and configuring data over web browser.

## ◆ Prepare to establish connection with BioSense

Before processing to BioSense configuration, need to double check:

- Computer has connected to BioSense as a physical connection within same Local Area Network (LAN), and power supply for BioSense is normal.
- Default IP for BioSense is ( 192.168.0.66 ) , check for any IP duplication at the same LAN.

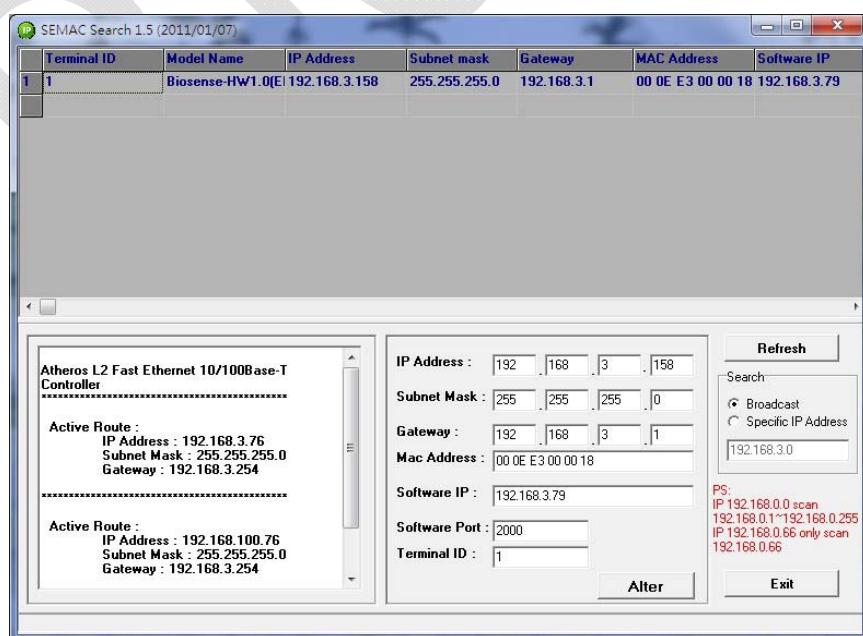
## ◆ How to get to work of BioSense Web browser

- 1、When Computer has well connected with BioSense in at the LAN, using IP search utility **SEMACSearch** to gather all BioSense machine(s) at the LAN into the list. SEMACSearch utility attached with product package or download from CHIYU web site ([www.chiyu-t.com.tw](http://www.chiyu-t.com.tw)).

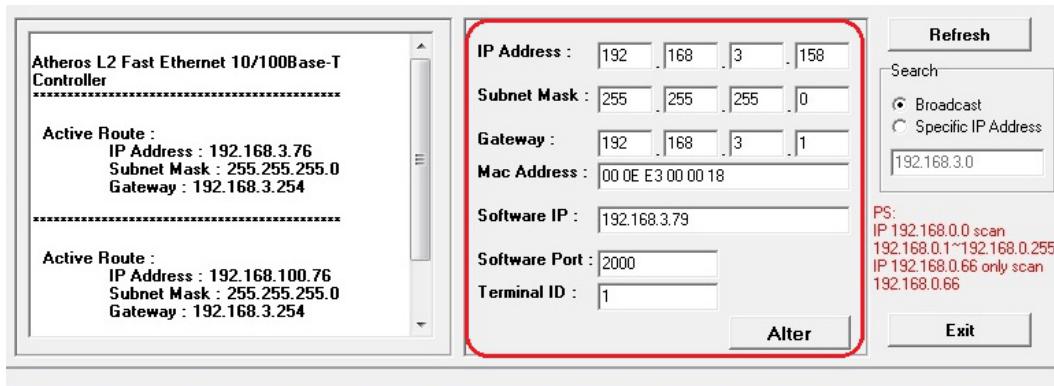
Desktop Icon for the SEMACSearch is as following:



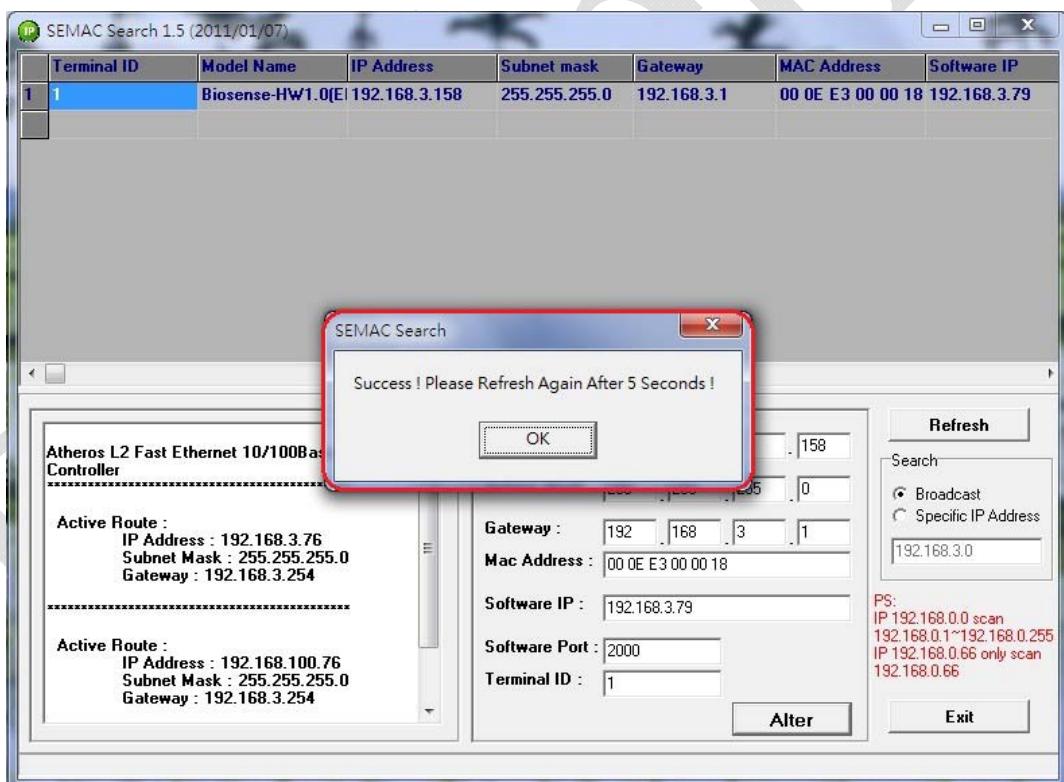
- 2、Tap the SEMACSearch utility icon to create Internet connection for the device(s):



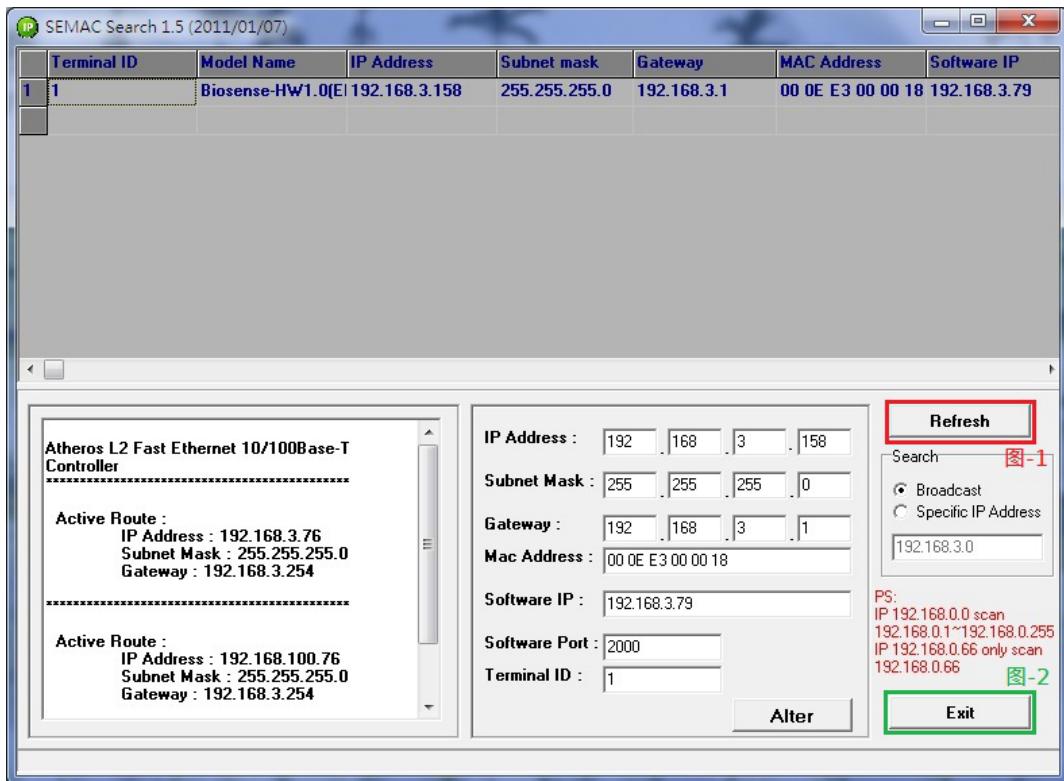
- 3、When SEMACSearch configuration box pop-up, all BioSense devices will be displaying on the list including individual Terminal ID、Model Name、IP Address、Subnet Mask、Gateway、Mac Address、Software IP. Tap one of BioSense from the list will display related information for the BioSense.



- 4、BioSense IP information can be modified: IP Address、Subnet Mask、Gateway、Software IP、Software Port、Terminal ID. Tap Alter to finish to moification.



5、When rectification is done, tap **Refresh** to check connection result, then tap **Exit** to exit.



6、With two different methods to enter to web server of BioSense:

- (1) Run the utility SEMACSearch then choose one BioSense from the list. Double click the item from the list to enter to BioSense web server.
- (2) Input BioSense IP on the URL bar to enter to BioSense web server.

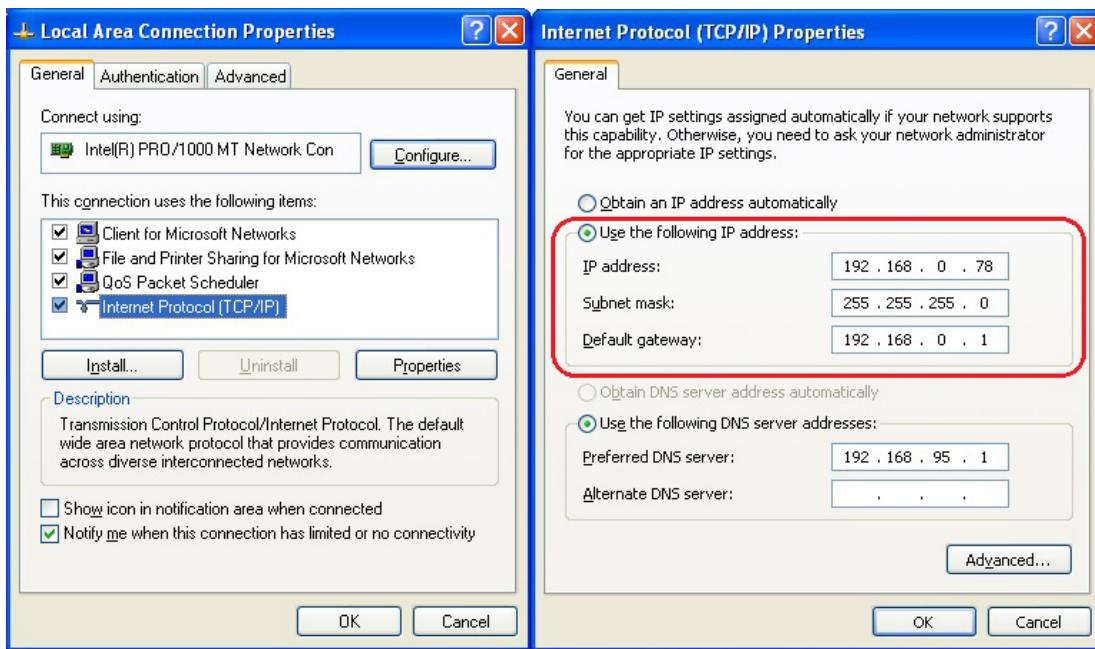
Double check Operation System on computer and BioSense devices are in the same Local Network Area. Examples for Windows XP and Windows 7 :

A. For **WINDOWS XP**

**Step 1** : Tap “My computer” → Control Panel → Network

**Step 2** : Tap Area Network → Content → Area Network Setup→

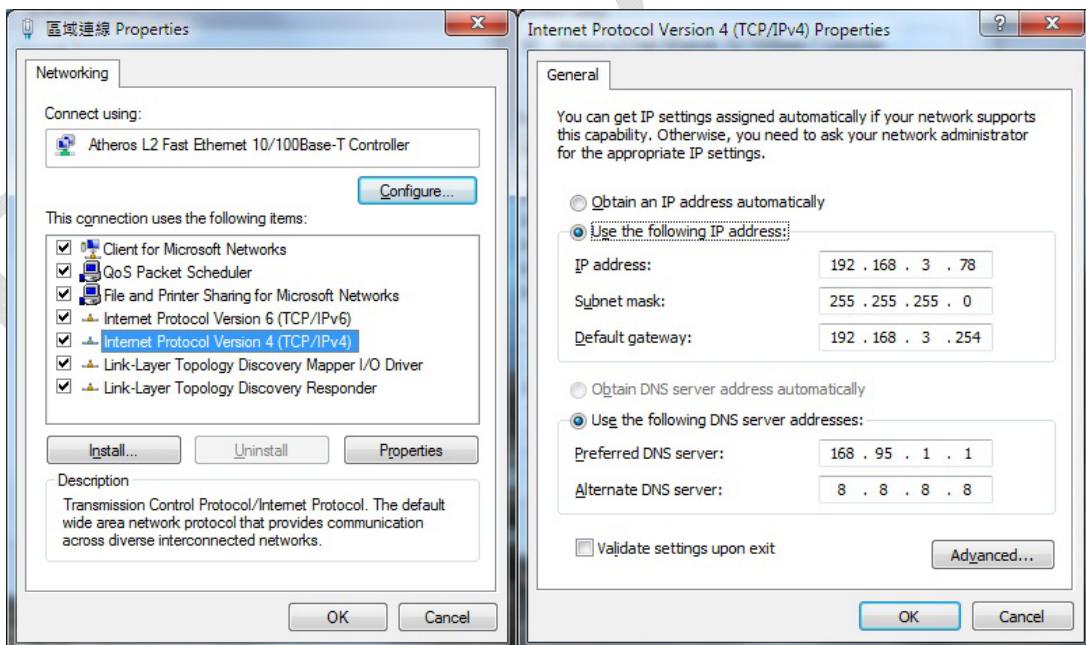
Tap Internet Protocol(TCP/IP) to configure LAN IP segment same with BioSense’s



For WINDOWS 7

**Step 1 :** Tap Control Panel from Windows 7 → Search Network Center → Tap Change Interface card and then get into Local Network

**Step 2 :** Tap Area Network → Content → Area Network setup → Click Internet Protocol(TCP/IPv4) → Set the IP segment same with BioSense.



- 1、MAC Address cannot be modified.
- 2、Terminal ID should not be duplicated.

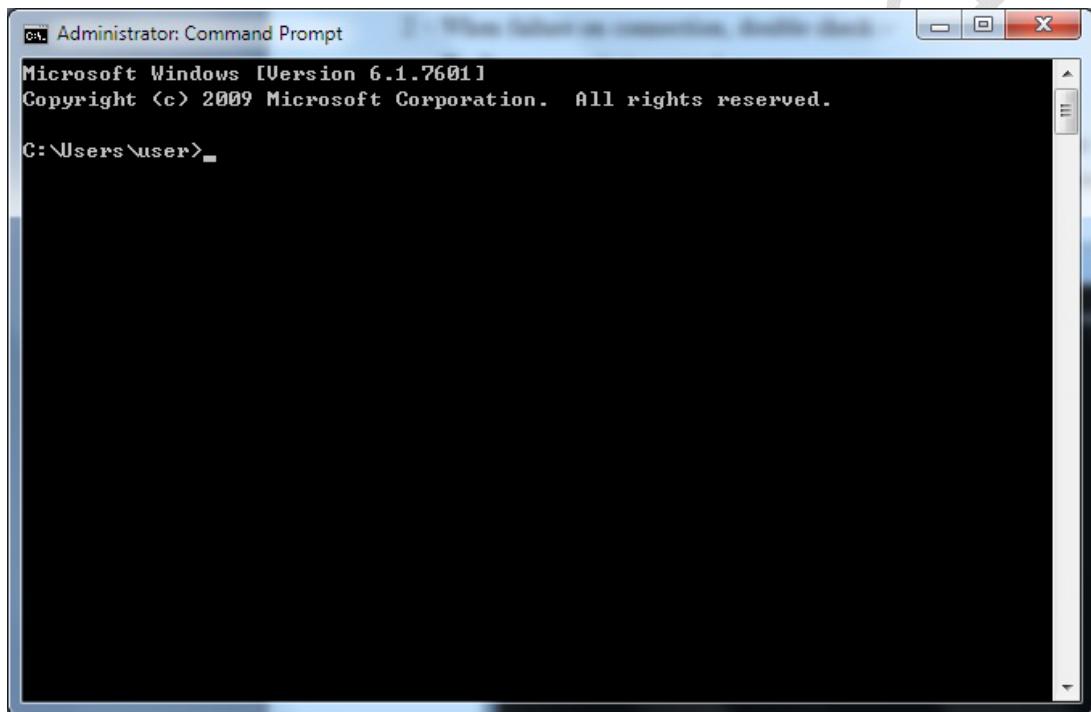
## ◆ Enter to BioSense web server by Internet Browser

1、Run Internet Browser and input IP of BioSense to the URL bar. Default IP :

<http://192.168.0.66>

2、When failure on connection, double check:

- Power supply is normal or not.
- LAN connection is normal or not can be detect by Command line: Tool  
→Execute→Input “cmd” to run MS-DOS command line→ Input “ping 192.168.0.66”  
to test connection of BioSense:



- If no response, it is necessary to check and adjust IP information between Computer and BioSense devices. (Same LAN IP segment is needed)
- Set computer IP information the same with BioSense IP segment. When computer is using Static IP then it should be changed to within 192.168.0.1 ~ 192.168.0.65 or 192.168.0.67 ~ 192.168.0.254.“Subnet Mask”should be 255.255.255.0

- 3、When connection between computer and BioSense is established, system will pop up an UserID/Password dialogue box. Default name is : **admin / admin**



- 4、Input User name and Password to enter to BioSense's Web server.

## ➤ Main Page (Terminal Information)

The screenshot shows a web-based configuration interface for a terminal. On the left, there is a vertical navigation menu with three main sections: User Administration, Terminal, and Access Control. Under User Administration, there are four items: Access Log, Auto Refresh Log, View User List, and Add User. Under Terminal, there are five items: Terminal Status, Terminal Setup, Password Setup, System Log, and Clock Setup. Under Access Control, there are six items: Time Set, Time Zone Setup, Group List, Holiday Setup, Door Setup, and Remote Control. Under Tools, there are five items: IP Camera, Backup, Restore, Reboot, Upgrade Firmware, and Reset. The main content area is titled "TERMINAL STATUS" and contains a table with 18 rows of terminal information.

<b>Product Name :</b>	Biosense(M1)(20000)
<b>Serial No. :</b>	028b58(222720)
<b>Firmware Version :</b>	1.00.02,Dec 27 2012(HW1.1)
<b>System Time :</b>	01/06/2013 17:35:17
<b>Terminal ID(MAC Address) :</b>	1(00:0e:e3:02:6b:58)
<b>IP Address :</b>	192.168.2.100
<b>Subnet mask :</b>	255.255.255.0
<b>Default Gateway :</b>	192.168.2.1
<b>Primary DNS :</b>	168.95.1.1
<b>Listen Port/Software IP(status) :</b>	2000 / 0.0.0.0 (Offline)
<b>Web Management Port :</b>	80
<b>Registered User :</b>	0
<b>Available User Capacity :</b>	20000
<b>Registered FP :</b>	0
<b>Available FP number :</b>	9590
<b>Access/System Log Count :</b>	0/5
<b>Control Mode :</b>	Controller(WG34)
<b>Anti-Pass-Back(Tolerance Timer) :</b>	Disabled(0)
<b>Next Biosense(Status) :</b>	0.0.0.0(Offline)

【Main Page】 - 1

## ◆ About Main Page

Using menu bar to browse main page functionality:

► Account Management	
<b>Access Log</b>	1、Inquiry to all access logs 2、Inquiry by certain criteria and extract access log and event records with Text or Excel format report
<b>Auto Refresh</b>	Displaying real time access log
<b>User List</b>	1、Displaying all user list 2、Modify/Delete/Inactive/Active user account
<b>Add User</b>	1、Add single user's account 2、Add many user's accounts
<b>Fingerprint Synchronization</b>	Synchronized fingerprint templates between fingerprint devices when more than 1 fingerprint access controllers are connected the same time.
► Terminal	
<b>Terminal Information</b>	Displaying terminal information as : Terminal ID, Model name, Firmware version...etc
<b>Terminal Setup</b>	1、Setup Terminal criteria as : Terminal ID, Control mode, Language mode...etc 2、System and hardware reboot after configuration is done
<b>Password Setup (Web log in)</b>	1、Setup web log in Password for Administrator, User, Sub-User 2、Setup Common password 3、Terminal reboot after Password setup is done
<b>System Log</b>	1、Displaying system log for terminal 2、Extraction system log report as TXT or Excel format
<b>System Time Rectification</b>	1、Setup Network Time Server and Time Zone 2、Setup System time
► Access Control	
<b>Time Set</b>	Setup Time Set ( 255 time sets provide)
<b>Time Zone</b>	Setup Time Zone. Each Time Zone provide Monday to Sunday and Holidays (120 Time Zone provide)
<b>Group</b>	Setup Group (255 Groups provide)
<b>Holiday</b>	Setup Holiday (100 Holidays provide)
<b>Door Setup</b>	Door setup time zone for door with Exit button, Unlock, APB Time Zone
<b>Remote Control</b>	1、Displaying entrance/exit status 2、Displaying fire alarm detection status 3、Remote Control for entrance/exit such as: Remotely force open, Remotely Impulse open, Remotely emergency open 4、Event alarm released 5、Turn on/ Turn off fire alarm detection function
<b>Event Handle</b>	1、Setup Event type and latched time. 2、Setup E-mail alert information

► Tools	
<b>IP Camera</b>	1、Displaying IP Camera IP address, type, and account name, password 2、Displaying IP Camera screen shot pictures ( <a href="#">Latest one</a> )
<b>Backup</b>	Backup for user list and terminal configuration
<b>Restore</b>	Restore for user list and terminal configuration
<b>Reboot</b>	System reboot
<b>Firmware upgrade</b>	Update firmware
<b>Delete</b>	1、Delete information 2、Set to Factory Default value
► Button	
<b>Refresh</b>	Refresh Web screen

## ➤ Account Management

### ◆ Access Log

Press Access Log to check log information :

#### Access Log

No.	User ID	User Name	Date	Time	IN/OUT	Door	Note.
-----	---------	-----------	------	------	--------	------	-------

No Log Data

#### Query and Export

Type	Selection	Start Date	End Date
<input checked="" type="radio"/> user <input type="radio"/> event	<input checked="" type="radio"/> Single <input type="radio"/> All	2013/01/07	2013/01/07
User ID	Card No.		
<input type="text"/>	<input type="text"/>		
Export Type			
<input checked="" type="radio"/> Txt <input type="radio"/> Xls	<input type="button" value="Search"/>	<input type="button" value="Export"/>	

【Access Log】 - 2

## ◆ About Access Log

► Description for the Access Log list	
No.	Serial Number
User ID	<p>User ID for Log in/ log out. Tap User ID for a hyper link to modification screen. (Deleted user ID cannot be link)</p> <p>※ User type will be indicated after User ID with Parenthesis, can be subdivide to :</p> <p><b>Normal user (N) 、Administrator(S) 、Visitor(V) 、Guard tourG</b></p>
Name	User name for log in/log out. Name field could be empty when nothing input to the user name field.
Date	Date for Log in / Log out
Time	Time for Log in/ Log out
In/Out	<p>In/Out records indication</p> <p>※ APB level will be indicated with parenthesis</p>
Door No.	Door no. for the BioSense
Remark	<p>Displaying access log:</p> <ul style="list-style-type: none"> <li>● Normal open for door: when user log on by card, will display (C), or when user log on by fingerprint, will display (F).</li> <li>● Abnormal door open: when door is opened by abnormal method, such as: Anti duress, fire alarm...etc.</li> <li>● Un-registry card will display the card number.</li> </ul>
First	First page to access log record
Previous 10 page	Forward 10 pages
1 2 3...N	Move to certain page
Last 10 page	Backward to last 10 page
Last	Last page to access log record
► Inquiry and extraction	
Type	<p>1 、By ticking user account(s) to search and extract report</p> <p>2 、By ticking event type to search and extract even handle records</p>
Number	<p>1 、<b>Single</b> : Only inquiry/extract access log for single user, or under 5 types of event handle records.</p> <p>2 、<b>All</b> : Inquiry / Extract all access logs or event records</p>
Start /End date	Setup date criteria period to search the access log
User ID	Input user ID to inquiry/extract report
User Card no.	Input user card no. to inquiry/extract report
Event	Select and input event type to further inquiry. Up to 5 event types can be inquiry.(select by pull down menu)
► Button	
Inquiry	Setup searching criteria then tap Search button to search
Extract	Setup extraction criteria, tap Extract button to extract report as TXT or Excel format.

## ◆ Auto Refresh

Press Auto Refresh will enter to Auto Refresh log screen. :

**Auto Refresh Log Mon Jan 7 2013 18:00:52 UTC+0800**

No.	User ID	User Name	Date	Time	IN/OUT	Door	Note.

【Auto Refresh Log】 - 3

## ◆ About Auto Refresh Log

► About Auto Refresh Log	
<b>No.</b>	Serial no.
<b>User ID</b>	Display real time access log with User ID. For the event record, will be display as -----
<b>Name</b>	Display real time access log with user name. When user information is short of the name, will be display as -----
<b>Date</b>	Display real time access log with date
<b>Time</b>	Display real time access log with time
<b>In/Out</b>	Display real time access log with In/Out indication
<b>Door No.</b>	Display real time access log with door no.
<b>Remark</b>	Display real time access log with information: <ul style="list-style-type: none"><li>● For Normal open: displaying verification is by Card ( C ),or by Fingerprint ( F )</li><li>● For Abnormal open: displaying events like Anti duress, Fire alarm...etc.</li><li>● For un-registry cards: displaying the card number.</li></ul>

## ◆ View User List

### User List

Search User :   By User ID  By Card No.  By Employee ID  By User Name

\*Reg Type:F(Finger),P(Password),C(Card)

No.	User ID	Employee ID	User Name	User Type	Active	F	P	C	Verify mode
-----	---------	-------------	-----------	-----------	--------	---	---	---	-------------

No Registered User

Activate, Deactivate or Delete SELECTED Employee

【View User List】 - 4

## ◆ About View User List

► Inquiry	
By User ID	Input User ID to search
By Card No.	Input Card no. to search
By Employee No.	Input Employee no. to search
By User name	Input User name to search
Start (Button)	Start to inquiry
► User List	
No.	Serial number for the user list. By ticking boxes then clicking Activate, Inactivate or Delete button for active, inactive or delete user from list.
User ID	Displaying User ID.
User Employee ID	Displaying Employee ID
User Name	Display User name
User type	User type is subdivide to: Normal User(N)、Administrator(S)、Visitor(V)、Guard Tour(G)
Activate	Green light: User account active/ Gray light: User account inactive
F	User has registry the fingerprint template
C	User has registry the Card (Green Light)
Verification mode	Display user verification mode
First	First page of user list
Previous 10 page	Forward 10 page
1 2 3...N	Link to certain page number
Last 10 page	Move to last 10 page
Last	Link to last page
► Button	
Active	User authority is activated
Inactive	User authority is inactivated
Delete	User Deleted

## ◆ User Record

Tap User list → User ID to enter to modification page :

### User Record

#### Add New User

REG :  Single  Continuous Amount :

User ID :

Card No. :

Employee ID :

Name :  (Max 31 chars.)

Expire Date Check :  Disable  Enable

From 2013  (M)  (D)  (H)  (M)

To 2013  (M)  (D)  (H)  (M)

Status :  Activate  Deactivate

User Type :

Group : 1.  2.  3.  4.

Verify mode :

Personal Password :  (4 ~ 8 digits.)

Personal Confirm :

Number of Finger : 0

Save

【User Record】 - 5

## ◆ Modify User Record

► About User Information	
<b>User ID</b>	User ID value is available within 1~4294967295, exceeding any 4294967295 value cannot be save. <b>( Total 20,000 user account no. only )</b>
<b>User Card no.</b>	Card no. can be input manually or input by card decoder.
<b>User employee no.</b>	Up to 10 English alphabets can be input. ( Chinese name can be 3 words only )
<b>Name</b>	User name can be input up to 10 Chinese words or 30 English alphabets
<b>Validation check</b>	User account validation check.
<b>Validation date from to</b>	Input a date for user account validation check
<b>Status</b>	Active or in active user authority. Tick the box
<b>User Type</b>	User type can be selected as Normal user \Administrator \Visitor \Guard tour : Normal User: Normal User <b>Admin</b> : Not limit by APB rule <b>Visitor</b> : Visitor can be limit by validation date <b>Guard tour</b> : Keep log but door will not open
<b>Group</b>	4 Groups can be selected for each user. Default is “Allow”
<b>Verification Mode</b>	<b>C+F</b> : Card + Fingerprint <b>F</b> : Fingerprint only <b>C</b> : Card only <b>C/F</b> : Card or Fingerprint <b>N/A</b> : Verification by Group bypass time zone level
<b>FP no.</b>	Display template number for user
► Button	
<b>Scan FP 1</b>	Blue LED on the BioSense will flash quickly, user scan first one template
<b>Scan FP 2</b>	Blue LED on the BioSense will flash quickly, user scan second one template
<b>Previous</b>	Modify previous one information
<b>Save</b>	Save data
<b>Delete</b>	Delete data
<b>Next</b>	Modify next one information

## ◆ Add New User

### User Record

#### Add New User

REG :  Single  Continuous Amount :

User ID :

Card No. :

Employee ID :

Name :  (Max 31 chars.)

Expire Date Check :  Disable  Enable

From 2013

To 2013

Status :  Activate  Deactivate

User Type :

Group : 1.  2.  3.  4.

Verify mode :

Personal Password :  (4 ~ 8 digits.)

Personal Confirm :

Number of Finger : 0

---

【Add new user】 - 6

## ◆ About Add User

► User information	
<b>Registry</b>	Single : Registry one user account in a time Continual : Registry 1~20000 user accounts in a time. Input user account quantity. ( a continual series no. is required )
<b>User ID</b>	User ID value is available within 1~4294967295, exceeding any 4294967295 value cannot be save. <b>( Total 20,000 user account no. only )</b>
<b>User Card no.</b>	Card no. can be input manually or input by card decoder.
<b>User employee no.</b>	Up to 10 English alphabets can be input. (Chinese name can be 3 words only)
<b>Name</b>	User name can be input up to 10 Chinese words or 30 English alphabets
<b>Validation check</b>	User account validation check.
<b>Validation date from to</b>	Input a date for user account validation check
<b>Status</b>	Active or in active user authority. Tick the box
<b>User Type</b>	User type can be selected as Normal user \Administrator \Visitor \Guard tour : <b>Admin</b> : Not limit by APB rule <b>Visitor</b> : Visitor can be limit by validation date <b>Guard tour</b> : Keep log but door will not open
<b>Group</b>	4 Groups can be selected for users. Default is “Allow”
<b>Verification Mode</b>	<b>C+F</b> : Card + Fingerprint <b>F</b> : Fingerprint only <b>C</b> : Card only <b>C/F</b> : Card or Fingerprint <b>N/A</b> : Verification by Group bypass time zone level
<b>FP no.</b>	Display template number for user
► Button	
<b>Scan Fingerprint 1</b>	Scan fingerprint once, LED flashing rapidly to scan first fingerprint
<b>Scan Fingerprint 2</b>	Scan fingerprint once, LED flashing rapidly to scan second fingerprint
<b>Save</b>	Save data

## ◆ Fingerprint template synchronization

### FP Sync

Auto FP Sync :

Sync Time :  (hh:mm:ss)

FP Sync :

Sync user :  All  Single

【Fingerprint template synchronization】 - 7

## ◆ Fingerprint Template Synchronization description

### ► Fingerprint Template Synchronization

<b>Auto Synchronization</b>	Automatically fingerprint synchronization on a certain time preset to system
<b>Manually Synchronization</b>	Manually synchronization by choosing one or many UID

## ➤ Terminal

### ◆ Terminal Information

#### TERMINAL STATUS

Product Name :	Biosense(EM)(20000)
Serial No. :	02415e(111821)
Firmware Version :	1.00.02,Dec 27 2012(HW1.1)
System Time :	06/06/2004 16:29:31
Terminal ID(MAC Address) :	1(00:0e:e3:02:41:5e)
IP Address :	192.168.2.100
Subnet mask :	255.255.255.0
Default Gateway :	192.168.2.1
Primary DNS :	168.95.1.1
Listen Port/Software IP(status) :	2000 / 0.0.0.0 (Offline)
Web Management Port :	80
Registered User :	0
Available User Capacity :	20000
Registered FP :	0
Available FP number :	9590
Access/System Log Count :	0/3
Control Mode :	Controller(WG34)
Anti-Pass-Back(Tolerance Timer) :	Disabled(0)
Next Biosense(Status) :	0.0.0.0(Offline)

【 Terminal Status 】 - 8

## ◆ About Terminal Status

► Terminal Information	
<b>Terminal Name</b>	Display BioSense terminal name
<b>Serial No.</b>	Display BioSense serial no.
<b>Firmware Version (Hardware version)</b>	Display BioSense firmware version and hardware version
<b>System Time</b>	Display BioSense system time
<b>Terminal ID (MAC address)</b>	Display BioSense Terminal ID and MAC address
<b>IP address</b>	Display BioSense IP address
<b>Subnet Mask</b>	Display Subnet Mask
<b>Default Gateway</b>	Display Default Gateway
<b>DNS</b>	Display DNS
<b>Software Communication Port</b>	Display software communication port no. and the software
<b>No./Software IP (Status)</b>	IP address. Status will display On-line or Off-Line with the software
<b>WEB Port no.</b>	Display BioSense WEB communication port no.
<b>Registered User</b>	Display BioSense user registered number
<b>Available User account no.</b>	Display BioSense available user account no.
<b>Access log no. and System log no.</b>	Display BioSense access log and system log number
<b>Control mode</b>	Display BioSense control mode (Controller: WG34)
<b>APB (Recovery time)</b>	Display BioSense APB status and recovery time
<b>Anti-Duress</b>	Display BioSense anti-duress status
<b>Next BioSense (Status)</b>	Display next BioSense IP address and display connection status (On line or Off line)

## ◆ Terminal Setup

### Terminal Configuration

Terminal Setting :      Terminal ID :

\*IP Address :  .  .  .   
\*Subnet Mask :  .  .  .   
\*Gateway :  .  .  .   
\*DNS Server :  .  .  .

Listen Port :      \*TCP Port(Software Used) :  \*Software IP :

Control Mode :       Controller  FP Reader

Web Language :      English ▼

Anti Pass Back :       Enable  Disable  
                          Tolerance Timer  (Minute, Maximum 65535, 0 means No Tolerance)

WEB Management Port :      Http Port :

Next Biosense(for APB):      IP Address :  .  .  .

Fast Reg Card Mode :       Enable  Disable

Sound for verify card :       Enable  Disable

Security Level :      Auto Normal ▼ (Default: Auto Normal)

Illegal FP Access record :       Enable  Disable

FP auto adjustment :       Enable  Disable

LED Flash Time :       (Sec, 0 = disable,maximum is 255)

Terminal may need to restart after configuration saved.

【Terminal Setup】 - 9

## ◆ About Terminal Setup

► Terminal Setup	
<b>Terminal ID</b>	Setup BioSense Terminal ID. Default no. is 1, maximum is 65535. TID should not be duplicated
<b>IP address</b>	Setup IP address for BioSense
<b>Subnet Mask</b>	Setup Subnet Mask for BioSense
<b>Default Gateway</b>	Setup Default Gateway for BioSense
<b>DNS IP address</b>	DNS IP address for BioSense. Default IP is <b>168.95.1.1</b>
► Port No.	
<b>Communication port (Software)</b>	Communication port no. between Software and BioSense. Default no. Is 2000
<b>Software IP</b>	IP address for software, default no. is <b>0.0.0.0</b>
► Control Mode	
<b>Controller</b>	BioSense can be controller mode
<b>Reader</b>	BioSense can be reader mode (Wiegand)
► Web Language	
<b>English</b>	Select Web language as English
<b>Chs</b>	Select Web language as Simplified Chinese
<b>Others</b>	Select other language for Web server. Default is Traditional Chinese
► Anti-Passback	
<b>Active</b>	Activate APB rule
<b>Inactive</b>	Inactivate APB rule
<b>Recovery Time</b>	Recovery time after APB rule is triggered. Unit is Minutes, up to 65535. 0 means recovery by manually set up.
► WEB Setup	
<b>Communication Port</b>	Setup BioSense web port no., default is 80
► Next BioSense (for APB rule)	
<b>IP address</b>	Setup IP address for next BioSense. For multi-drop BioSense structure, system configuration (APB, Firealarm..etc) will fully synchronize to next BioSense.
► Fast Registry Mode	
<b>Active</b>	Fast Registry mode should be inactive immediately while card registry process is done.
<b>Inactive</b>	Disable fast registry card function
► Flash card voice indication	
<b>Active</b>	Enable voice indication when flash card
<b>Inactive</b>	Disable voice for flash card

<b>► Fingerprint verification level</b>	
<b>Default setting is Auto Normal ( Note : Do Not change )</b>	
<b>► Illegal fingerprint record</b>	
<b>Active</b>	Illegal fingerprint will be record
<b>Inactive</b>	Illegal fingerprint will not be record
<b>► Fingerprint Auto Rectification</b>	
<b>Active</b>	Scan twice each time for one fingerprint. System will automatically rectify the differences between two templates (from one finger). Template capacity will be occupied when rectification mode is active.
<b>Inactive</b>	Scan once each time for one fingerprint.
<b>► LED flashing time</b>	
LED flashing interval	
<b>► ADD card</b>	
Input a card no. will create the card to be an ADD card	
<b>► Delete card</b>	
Input a card no. will create the card to be an DELETE card	
<b>► Button</b>	
Save	Save terminal information

## ◆ Password Setup

### WEB Logon Setting

Administrator WEB Logon User Name :	<input type="text" value="admin"/>	(47 Char. Max)
Administrator WEB Logon Password :	<input type="password" value="*****"/>	(35 Char. Max)
Operator WEB Logon User Name :	<input type="text" value="user"/>	(47 Char. Max)
Operator WEB Logon Password :	<input type="password" value="*****"/>	(35 Char. Max)
USER WEB Logon User Name :	<input type="text" value="user0"/>	(47 Char. Max)
USER WEB Logon Password :	<input type="password" value="*****"/>	(35 Char. Max)

【Password Setup】 - 10

## ◆ Web Log on setup/Password setting description

► About Web Log setting	
<b>Admin user Account</b>	Input Admin account name, maximum at 47 alphabets. Default is "admin"
<b>Admin Password</b>	Input Admin password, maximum at 35 alphabets. Default is "admin"
<b>User Account</b>	Input user account name, maximum at 47 alphabets. Default is "user"
<b>User Password</b>	Input user account password. Maximum at 35 alphabets. Default is "user".
<b>Sub-User account name</b>	Input Sub-user account name. Maximum at 47 alphabets. Default is "user0"
<b>Sub-User Password</b>	Input Sub-user password. Maximum at 35 alphabets. Default is "user0"
The difference between the roles is operation authority. Blow is the authorization table for the roles.	
► Button	
<b>Save</b>	Save information

Authorization Table : ● means “Allow” to access.

Web Server	Admin Account : admin Password : admin	User Account : user Password : user	Sub-User Account : user0 Password : user0
Upgrade Firmware	●		
Password Setup	●		
Terminal Setup	●		
Door Setup	●		
Event Handle	●		
Reboot	●		
Clock Setup	●		
Reset	●		
Upgrade Firmware	●		
Password Setup	●		
Terminal Setup	●		
User Data	●	●	
Time Set	●	●	
Time Zone Setup	●	●	
Group List	●	●	
Holiday Setup	●	●	
Lift Setup	●	●	
Multi Badge Group	●	●	
Remote Control	●	●	
Access Log	●	●	●
View User List	●	●	●
Terminal Status	●	●	●
System Log	●	●	●
IP Camera	●	●	●

## ◆ System Log

### System Log

[Export Txt](#)[Export Xls](#)

No.	Date	Time	Description
1 .	06/06/2004	16:29:07	System Warm Start
2 .	06/06/2004	16:28:28	System Power ON
3 .	06/06/2004	16:27:24	ETH Dev Link Down

Total 3 Record(s) [< End of List... >](#)

【System Log】 - 11

## ◆ About System Log

► Record	
No.	Serial No.
Date	Date of each system log
Time	Time of system log
Content	Description to system operation
Extract TXT log	Extract system log as TXT format report
Extract XLS	Extract system log as XLS format report

※ System log will sustain up to **2688 entries**.

## ◆ System Clock Setup

### System Clock Setup

Time Server :  Disable  Enable  
time.windows.com Recommend: time.windows.com or time.nist.gov

Time Zone: (GMT) England Save

---

New Date : 01/09/2013 (mm/dd/yyyy)  
New Time : 16:02:50 (hh:mm:ss)  
Save

【System clock setup】 - 12

## ◆ About System Time Rectification

► About Network Time Server	
Disable	Tick to disable Network Time Server service
Enable	Tick to enable Network Time Server service ( Network Time Server IP required to be input when ticking "Enable" )
Time Zone	Select Time Zone from the menu after ticking Enable and input Time Server IP address . ( Default Time Zone for Time Server is "England" )
Save(Button)	Save the data and process time rectification
Date	Date of the computer. This can be input manually. Date format is Month/Date/Year
Time	Time of the computer. This can be input manually. Date format is Hour/Minute/Second
Save(Button)	Save date and starting date/time rectification

## ➤ Access Control

### ◆ Time Set

#### Time Set

Time Set List :

000	00:00 ~ 00:00		001	00:00 ~ 23:59	
-----	---------------	--	-----	---------------	--

Time Set : 002 From 00 H : 00 M To 23 H : 59 M SET

【 Time Set】 - 13

### ◆ About Time Set

► Time Set	
Time Set list	Display all Time Set(s) at the system. Default Time Set of system is 00:00~00:00 and 00:00~23:59
Time Set	Select Time Set serial no. (system default is 000、001). Select serial no. for time set from the menu. Maximum is 255 time sets.
From~to	Input Time Set period time, such as: 0800~1700, 1000~1900
► Button	
Delete	Delete Time Set
Set	Add new Time Set

## ◆ Time Zone Setup

### Time Zone List

Time Zone List :

000	Deactivate		001	Any Time	
-----	------------	--	-----	----------	--

Time Zone ID : 002

【Time Zone Setup】 - 14

## ◆ About Time Zone

► Time Zone	
Time Zone list	Displaying all time zones at system. Tap a time zone from list will enter to the time zone configuration screen
Time zone serial no.	Serial no. for time zone. System default is 000 and 001. Select the time zone number from the menu. Up to 120 time zone can be select.
Time Zone name	Tap the time zone name to connect to time zone information page for data modification.
► Button	
Delete	Delete Time Zone
Setup	Enter to Time Zone information page

Time Zone setup page is to set the time set(s) for each day (Monday to Sunday, and Holiday) that user can access to door or time attendance:

【Time Zone】 - 15

## ◆ About Time Zone information

► Time Zone setup	
<b>Weekday</b>	Select Monday~Sunday or Holiday from the menu and then can select time zone for the day
<b>Time Set 1 ~Time Set 16</b>	Up to 16 time set can be set to each weekday and holiday. Time set should be composed first at time set setup page.
► Button	
<b>Save</b>	Save the Time Zone information
<b>Cancel</b>	Cancel modification or setup

## ◆ Group Setup

### Group List

Group List :

000	Disallowed Group		001	Free Time Group	
-----	------------------	--	-----	-----------------	--

Group ID : 002

【Group Setup】 - 16

## ◆ About Group

### ► Group setup

<b>Group List</b>	Display all group on a list. Tap the Group name to enter to the setup page
<b>Group ID</b>	Select Group serial no. from the menu. System default is 000、001. Up to 255 Group can be select
<b>► Button</b>	
<b>Delete</b>	Delete Group
<b>Setup</b>	Enter to Group setup page

Setup page is to select the door (entrance) with access time zone

### Group Information

Allowed Door :

 1.

Time Zone ID :

000 Deactivate

【Group Information】 - 17

## ◆ About Group Information

### ► Allow door

<b>Door</b>	Tick the door box that allowing Group users to access the door during the time zone
<b>Time zone setup</b>	Time zone can be select from the pull down menu
<b>► Button</b>	
<b>Save</b>	Save Group information
<b>Cancel</b>	Cancel Group information or modification

## ◆ Holiday Setup

### Holiday Setup

01 ▾ Month / 01 ▾ Date **SET**

Holiday List :

【Holiday Setup】 - 18

## ◆ About Holiday setup

► Holiday setup	
<b>Month</b>	Select Holiday Month from the menu
<b>Date</b>	Select Holiday Date from the menu
► Button	
<b>Setup</b>	Add a Holiday
<b>Delete</b>	Delete Holiday

## ◆ Door Setup

### Door Setting

	IN	OUT
L4 Card+FP Time Zone :	000 Deactivate ▼	000 Deactivate ▼
L3 FP Time Zone :	000 Deactivate ▼	000 Deactivate ▼
L2 Card Only Time Zone :	000 Deactivate ▼	000 Deactivate ▼
L1 Card or FP Time Zone :	000 Deactivate ▼	000 Deactivate ▼
Lock Release Time Zone :	000 Deactivate ▼	First Card No Need ▼
Exit Button TZ :	001 Any Time ▼	
Anti Pass Back Level :	IN : 0	OUT : 0 ( 0 - 255 )
Lock Release Time :	10	Sec ( 1 - 65535, 10 = default )
Door Open Delay Time :	10	Sec ( 1 - 65535, 10 = default )
Access Log :	Recorded ▼	
Door Sensor Mode:	N/A ▼	
Door Relay Energized:	<input type="radio"/> None <input checked="" type="radio"/> 1 Relay <input type="radio"/> 2 Relay	

**SET**

### BF50 CARD

[Set BF50 Card](#) [Update BF50 Card](#)

【Door Setup】 - 19

## ◆ About Door Setup

► Door Setup	
<b>L4(Card + Fingerprint) Time Zone</b>	When setup L4 bypass time zone for door (Default is Free), user should flash card and scan fingerprint to access the door.
<b>L3(Fingerprint) Time Zone</b>	When setup L3 bypass time zone for door (Default is Free), user should scan fingerprint to access the door.
<b>L2(Card) Time zone</b>	When setup L2 bypass time zone for door (Default is Free), user should flash card to access the door.
<b>L1(Card or Finger)</b>	When setup L1 bypass time zone for door, user should flash card or scan fingerprint to access the door.
<b>Unlock Time Zone</b>	When setup Unlock bypass time zone for door, user could access door without verify cards or fingerprints. When First admin card is set, then it will require to flash a legal card (registry card) to activate Unlock Time zone for the door.
<b>Exit button Time Zone</b>	Setup an exit button time zone for door (Exit door only)(Default is Anytime)
<b>APB In/Out</b>	Setup APB rule for door (In/Out level: 0~255)
<b>Door Open delay time</b>	Setup door open delay time for relay. (Default is 10 seconds)
<b>Door Close delay time</b>	Setup door not closed alarm time. (Default is 10 seconds)
<b>Access Log</b>	Setup “Ignore” or “Record” all access logs (Default is Record)
<b>Door sensor detection</b>	Setup door sensor detection mode: N/A、Normal mode , Circuit diagnose, default is N/A When setup Circuit Diagnose mode, if door sensor is short or open status, door status will display the same Short or Open.
<b>Door Relay Energized</b>	Setup door relay trigger after verification is done N/A: No trigger door relay <b>1 Relay</b> : Trigger door relay on terminal.( BF-20/BF-50 door relay will be trigger if BF-20 or BF-50 has installed) <b>2 Relay</b> : Not support <b>Double check if Door Relay trigger policy is duplicated with Hard/Soft Alarm</b>
► Button	
<b>Set BF-50 Card no.</b>	Tap the button to set 50 sets of card numbers on BF-50. When terminal disconnection with BF-50, BF-50 will compare card numbers saved on BF-50 to trigger door open relay.
<b>Refresh BF-50 Card no.</b>	Tap the Refresh BF-50 card number to refresh card numbers saved on BF-50

## ◆ Setup BF-50

Application : Save 50 sets of card numbers on BF-50 to secure door will still open by flashing those cards saved on BF-50 when connection between Terminal and BF-50 is abnormal.

Preset 50 Cards no. into the BF-50 Card list:

**BF50 CARD**

No.	Card No.								
1	0	2	0	3	0	4	0	5	0
6	0	7	0	8	0	9	0	10	0
11	0	12	0	13	0	14	0	15	0
16	0	17	0	18	0	19	0	20	0
21	0	22	0	23	0	24	0	25	0
26	0	27	0	28	0	29	0	30	0
31	0	32	0	33	0	34	0	35	0
36	0	37	0	38	0	39	0	40	0
41	0	42	0	43	0	44	0	45	0
46	0	47	0	48	0	49	0	50	0

**Set** **cancel**

【BF-50 Setup】 - 20

## ◆ BF-50 Card setup

► BF- 50 card	
No.	Serial no. of the 50 cards, from 1~50
Card no.	Input card numbers to BF-50 card list
► Button	
Setup	Save the information

\* Card numbers will be saved on BF-50 after press Refresh button.

## ◆ Remote Control

### Door Status Monitoring

● No Response ● close ● open ● Circuit Short,Circuit Open,Intrude,Open too long  
Door

Door State	
Webpass/BF50 Status	X
Fire Alarm Detection	off

### Security Bypass

State	Normal
Pulse Open Door	Force Close
Back To Normal	Force Open

Fire Alarm Detection ON	Fire Alarm Detection OFF
-------------------------	--------------------------

Alarm OFF
-----------

【Door status and bypass】 - 21

## ◆ Door status/ Security Bypass

► Door Status	
Door Status	Displaying update door status. Green light means connection is established. X means disconnection
Fire Alarm	Display fire alarm detection is on or off
► Security bypass	
Status	Displaying door security bypass status: Pulse open/ Force open/ Force close
Pulse open	Tap Pulse open button to remotely open door. When security bypass status is normal. <a href="#">Door open lasting time is set by terminal</a>
Force close	Tap Force close button to remotely close door and door status will display Force close, door will not be opened anyway until setup Back to Normal or set to Factory Default
Back to Normal	Tap Back to Normal button will set security bypass policy to normal
Force open	Tap force open to force open door. Door status will display Force open and door will be staying unlock until setup Back to Normal or Factory Default
Fire alarm detection ON	Tap button to switch on Fire alarm detection function. Door status will display ON.
Fire alarm detection OFF	Tap button to switch off Fire alarm detection function. Door status will display OFF
Alarm Off	Tap the button to release alarm triggered

- \* When Fire Alarm is being triggered (Circuit detector is connected to fire alarm device), door will be opened automatically. Door status will be back to normal until fire alarm status switch off. No need manually switch off.

## ◆ Event Handle

### Event Handle

E-mail Alerts	
Location :	(max59)
SMTP Mail Server :	(max47)
Mail from :	(max47)
SMTP Server Requires Authentication :	<input type="checkbox"/> No username : <input type="text" value=""/> password : <input type="text" value=""/>
Mail To :	(max47)
Mail Cc :	(max47)
<input type="button" value="Set"/>	

Latched Time(Second)	Hard Alarm	Soft Alarm	Soft Alarm	IP Camera	E-mail Alerts
0	0	0	0	0	0
<b>Event</b>					
Unregistered User	●	●	●	●	●
Deactivated User	●	●	●	●	●
Not Allowed Door	●	●	●	●	●
Time Zone Violation	●	●	●	●	●
Expired User	●	●	●	●	●
Anti Pass Back Violation	●	●	●	●	●
Door open too long	●	●	●	●	●
Tamper Switch Breakdown	●	●	●	●	●
Door Intruded	●	●	●	●	●
Duress Alarm On	●	●	●	●	●
Fire Alarm On	●	●	●	●	●

【Event handle】 - 22

### Hard Alarm

Latched Time  (sec,Max 65535 : 0 means unlimited)

- Unregistered User     Deactivated User     Not Allowed Door     Time Zone Violation     Expired User  
 Anti Pass Back Violation     Door open too long     Tamper Switch Breakdown     Door Intruded     Duress Alarm On  
 Fire Alarm On

【Event handle】 - 23

## ◆ About Event Handle

► Event Type	
<b>Un-RegistryUser</b>	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, the Un-Registry exception log will be generated upon user access door with un-registry card. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0.
<b>User Inactive</b>	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once user card is being inactivated, the User Inactive log will be generated. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
<b>Not Allow Door</b>	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once User Group is different than Door Group, the Not Allow Door access log will be generated. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
<b>Time Zone Violation</b>	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once User Group Time Zone is different than Door Group Time Zone, the Time Zone Violation access log will be generated. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0

<b>Expired User</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once user swipe card or scan fingerprint over reader, door status will generate an Expired User access log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0</p>
<b>APB Violation</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once door status is set Anti-Passback level, when user swipe card or scan fingerprint with error APB level, system will generate APB violation log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0</p>
<b>Door Open too long</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once door open too long after user scan card or fingerprint, system will be triggered with Door Open too long access log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0</p>
<b>Tamper Switch</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once fingerprint reader is opened in illegally method, system will generate Tamper Switch record. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0</p>
<b>Door Intruded</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once break in the door in illegally method, system will generate Door Intruded access log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 4</p>

<b>Anti Duress</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once user prompt Anti Duress function with password#, system will generate Anti Duress log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 4</p>
<b>Fire Alarm</b>	<p>1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once Fire Alarm is being triggered, system will generate Fire Alarm log and alert. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time.</p> <p>2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 5</p>
<b>Latched Time</b>	Event trigger latched time setting can be max at 65535 seconds. There'll be no latched time when value is set to 0 and need to disable the alarm manually.
<b>► Event Trigger Type</b>	
<b>Hard Alarm</b>	Setup hardware I/O trigger performance by selecting event names
<b>Soft Alarm 1</b>	Define even trigger on BF-50 Relay 2 by selecting even names on Event trigger type page
<b>Soft Alarm 2</b>	Define even trigger on BF-50 Relay 3 by selecting even names on Event trigger type page
<b>IP Camera</b>	Setup IP Camera to take snap shot when certain event type triggered
<b>E-mail alert</b>	Setup Email alert to certain receiver by selecting event name on Event trigger type page
<b>► E-mail Alert</b>	
<b>Device name</b>	Input device name to send E-mail alert
<b>SMTP Mail Server</b>	Input SMTP mail server IP (NOT compatible to Web mail so far)
<b>Mail from</b>	Input sender's mail location
<b>SMTP Server verification</b>	Set ID and password for the Mail server
<b>Mail to</b>	Input receiver's E-mail address
<b>Mail carbon copy</b>	Input C.C. receiver's E-mail address
<b>Setup(Button)</b>	Save the information have set

## ➤ Tool

### ◆ IP Camera

IP Camera(IP)	PORT	TYPE	username (30 Char. Max)	password (30 Char. Max)
0.0.0.0	80	VIVOTEK IP7133/7330		
<input type="button" value="SET"/> <input type="button" value="Refresh"/>				

2552,UID=51,05/31/2011,13:58:38



【IP Camera】 - 24

### ◆ About IP Camera

► IP Camera	
IP Camera	Input IP address for the IP Camera
PORT	Input Port number for the IP Camera (Default is 80)
Model	Input model name of the IP Camera. There are: VIVOTEK IP7133/7330,Soft Well WE1612H and IP7131/7135 can be selectable.(Default is VIVOTEK IP7133/7330)
Account	Input account name for the IP Camera
Password	Input password for the IP Camera
Door name	Display latest photo for the door
Setup(Button)	Save the information have set
Refresh(Button)	Refresh current screen

## ◆ Back Up

### Backup

Tips :

This command will export the User Registry data for backup purpose.

Database(database.cfg)  User Data(userdata.cfg)  User List(userlist.txt)

BACKUP

【Back up】 - 25

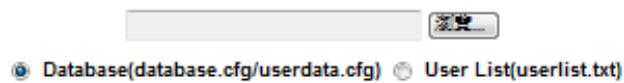
## ◆ About Back Up

► Backup	
<b>System setup (database.cfg)</b>	Back up items : Terminal Setup、Password Setup、Time set Setup、Time zone Setup、Group setup、Holliday Setup、Door Setup
<b>User list-basic (userlist.txt)</b>	Back up items : User ID、Card number、Name、User type、Group

## ◆ Restore

### RESTORE / IMPORT

Select a File to Restore / Import :



(It may takes few minutes to restore the database.)

【Restore】 - 26

## ◆ About Restore

► Restore	
<b>System setup (database.cfg)</b>	Restore items : Terminal Setup、Password Setup、Time set Setup、Time zone Setup、Group setup、Holliday Setup、Door Setup
<b>User List (userdata.cfg)</b>	Restore items : User ID、Card number、Name、Expired check、Status、User type、Group、Bypass time zone level、Personal password
<b>User List-Basic (userlist.txt)</b>	Restore items : User ID、Card number、Name、User type、Group

※ Restore function is different between UserData.cfg、UserList.txt

## ◆ Reboot

Reboot System

REBOOT

【Reboot】 - 27

## ◆ About Reboot

### ► Button

Reboot	BioSense device reboot (Warm start)
--------	-------------------------------------

## ◆ Firmware upgrade

### FIRMWAVE UPGRADE

Warning: Upgrade must NOT be interrupted

Please select a file to upgrade :

**UPGRADE**

【Firmware upgrade】 - 28

## ◆ About Firmware upgrade

### ► Step by step

Click “Browser” button to search and select the firmware

Click “Upgrade” button to run firmware upgrade

### ► Remark

Firstly upgrade Firmware Code then Web code is necessary

## ◆ Reset

### Reset All

User Data  Access Logs  Group  Time Zone  Time Set  Holiday  System Logs

Reset System to Factory Default -

【Reset】 - 29

## ◆ About Reset

► Data delete	
User list	Ticking User List check box then press Delete button to delete all user list from system
Access log	Ticking Access log check box then press Delete button to delete access log from system
Group	Ticking Group check box then press Delete button to delete Group from system
Time Zone	Ticking Time Zone check box then press Delete button to delete Time Zone from system
Time Set	Ticking Time Set check box then press Delete button to delete Time Set from system
Holiday	Ticking Holiday check box then press Delete button to delete Holiday from system
System Log	Ticking System log check box then press Delete button to delete System log from system
► Button	
Select All	Select all items
Delete	Run Delete function
Step by step :	
1、Select all items are going to be delete	
2、Click Delete button	
► Set to Factory Default	
Factory Default	Set to Factory Default when above set up is done

## ➤ Appendix

Event name	Event status	How to revive
Door open delay	Door open time over the default time (with door sensor)	Close the door
Door closed	Door closed after “Door open delay” event triggered.	N/A
Pulse Open	Pulse open door from remote site	Tap “Back to Normal” button to turn to normal
Pulse Close	Pulse close door from remote site	Tap “Back to Normal”button to turn to normal
Back to Normal	Door status back to normal	N/A
Identification failure	User identification failed	Check access method for user is to conform to door’s policy
Unregister	Card is not registered	Register the card
Inactive	User authority and data invalid	Active user’s authorization
APB violation	APB policy violated when APB function is activated	Check APB level
Not Allowed	User Group is not allowed to access a certain door	Check setting of user Group
Door intruded	Door intruded illegally	Check door sensor functionality
Tamper switch breakdown	Tamper switch is being triggered	Check tamper switch on the terminal status
Push Button	Open door by push button	N/A
Normal Close	Door closed after door opened	N/A